CLAIMS

1. Antenna for wireless communication devices, comprising
a) a dielectric substrate (1) with two pairs of metallic resonator structures (2, 3) provided on its surface (4),
b) each pair of resonator structures (2, 3) comprising a first resonator structure (2A, 3A) connected to a feed line (2C, 3C), and a second resonator structure (2B, 3B) having a connection to ground (5, 5'), the first and the second resonator structure being electrically isolated from each other and being arranged adjacent to each other.

2. Antenna according to claim 1, characterized in that the first and second resonator structures are elongated structures.

3. Antenna according to claim 1, characterized in that the antenna has a single connection to ground which branches into the second resonator structures (2B, 3B).

4. Antenna according to claim 2, characterized in that the length of the second resonator structures measured from the point of branching is different.

5. Antenna according to claim 1, characterized in that at least one of the first or second resonator structures is connected to one ore more passive components (6, 6').

6. Antenna according to claim 1, characterized in that the first pair of resonator structures has a resonance frequency substantially in a frequency range of 824 MHz to 960 MHz.

7. Antenna according to claim 1, characterized in that the second pair of resonator structures has a resonance frequency substantially in a frequency range of 1710 MHz to 1990 MHz.

8. Mobile communication device, characterized in that the mobile

communication device comprises an antenna according to claim 1.

9. Mobile communication device according to claim 8, characterized in that the mobile communication device being designed as a transponder for radio frequency identification (RFID) purposes.